

REMARKS/ARGUMENTS

Favorable reconsideration of this application as currently amended and in view of the following remarks is respectfully requested.

Claims 1-3, 5-16, and 18-25 are currently active in this case. Claims 1-3, 5-16, and 18-25 have been amended, claims 4 and 17 have been cancelled. No new matter has been added.

In the outstanding Office Action, claims 1-3, 11-17, and 23-25 were rejected under 35 USC 102(b) as being anticipated by US Patent No. 6,167,693 to Anderson; claims 1, 2, 11-17, and 23-25 were rejected under 35 USC 102(b) as being anticipated by GB 1,048,448; and claims 1, 10, 12-14, 22, 24, and 25 were rejected under 35 USC 102(b) as being anticipated by US Patent No. 5,513,489 to Bussing.

Claims 4-9 and 18-21 were objected to as being dependent upon a rejected based claim, but were indicated as being allowable if rewritten in independent form. Applicants acknowledge with appreciation the indication of allowable subject matter. In view of the indication of allowable subject matter, Applicants have amended claim 1 to include the feature of claim 4. In particular, claim 1 has been amended to recite that a pulse detonation generator includes a bypass flow passage configured to directly provide a gas to the turbine in order to continuously operate the turbine. Applicants note that original claim 4 provided that the shock damper includes the bypass flow passage. However, Applicants point out that Fig. 5 and the corresponding written disclosure clearly illustrate that the pulse detonation generator includes the bypass flow passage. Applicants do not believe that the clarification made in claim 1 impacts the patentability of the invention.

Regarding method claim 17, Applicants point out that it is the method analog of dependent claim 4 which was indicated as being allowed in the Office Action. Because the Official Action concedes that the applied art fails to teach or suggest the structure of claim 4,

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Applicants respectfully submit that the applied art also fails to teach or suggest the step recited in original claim 17 of alleviating the impact energy by flowing the gas to continuously operate the turbine. Consequently, claim 14 has been amended to include the step of claim 17. Additionally, Applicants have rewritten claims 5, 6, 18, and 19 in independent form. Consequently, those claims are believed to be in condition for allowance.

In view of the foregoing, no further issues are believed to remain. An early and favorable action is therefore respectfully requested.

Respectfully submitted,

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